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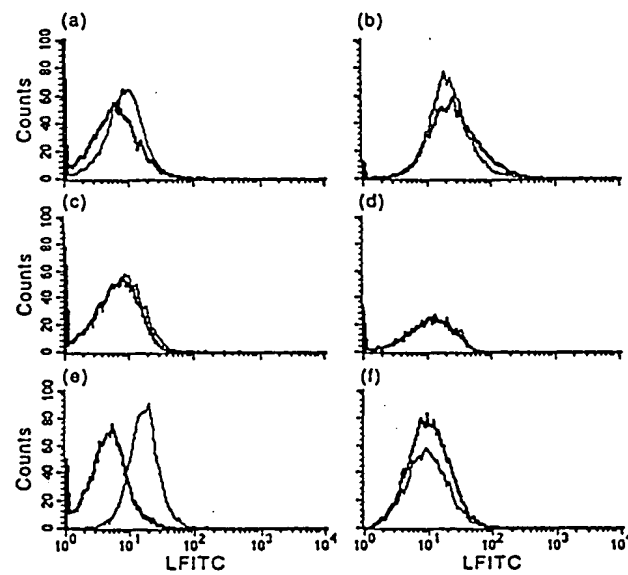


FIGURE 1A

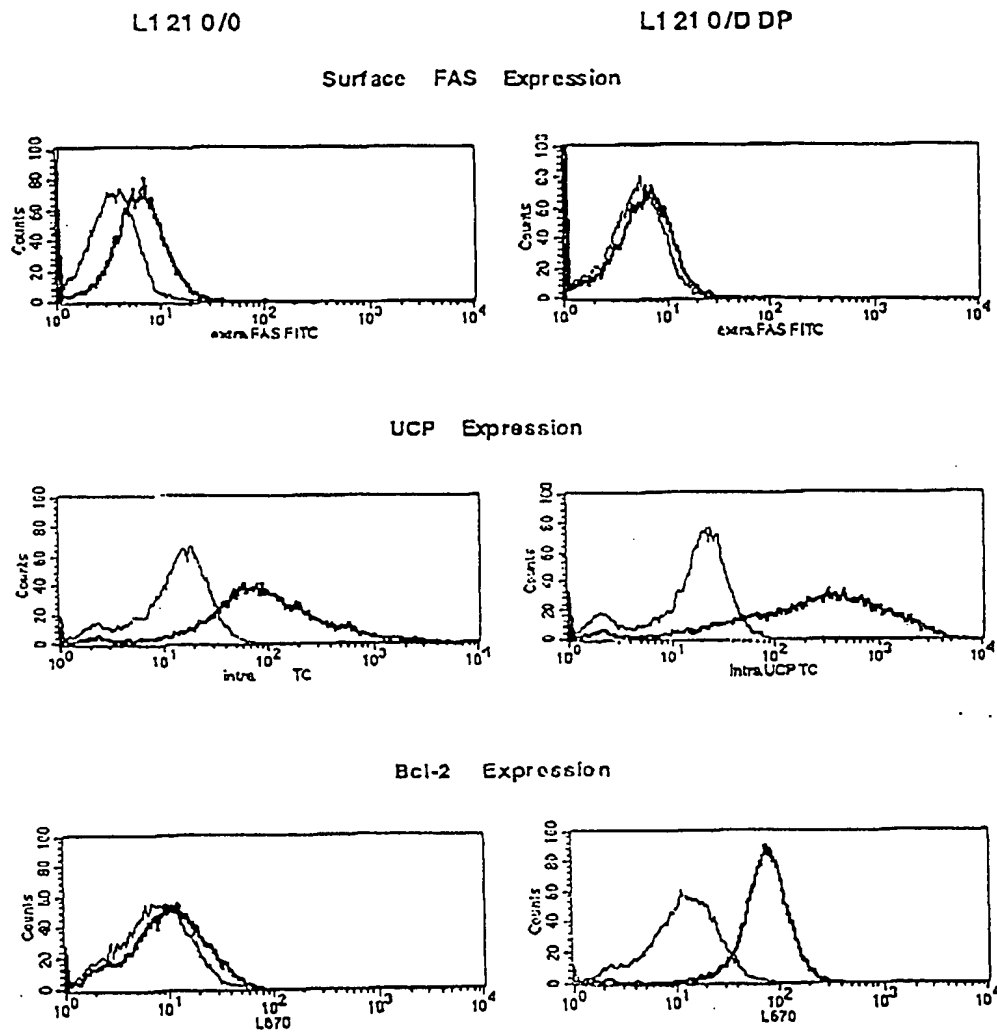


FIGURE 1B

Fas Expression is an Insulin-Dependent Function of Glucose Concentration

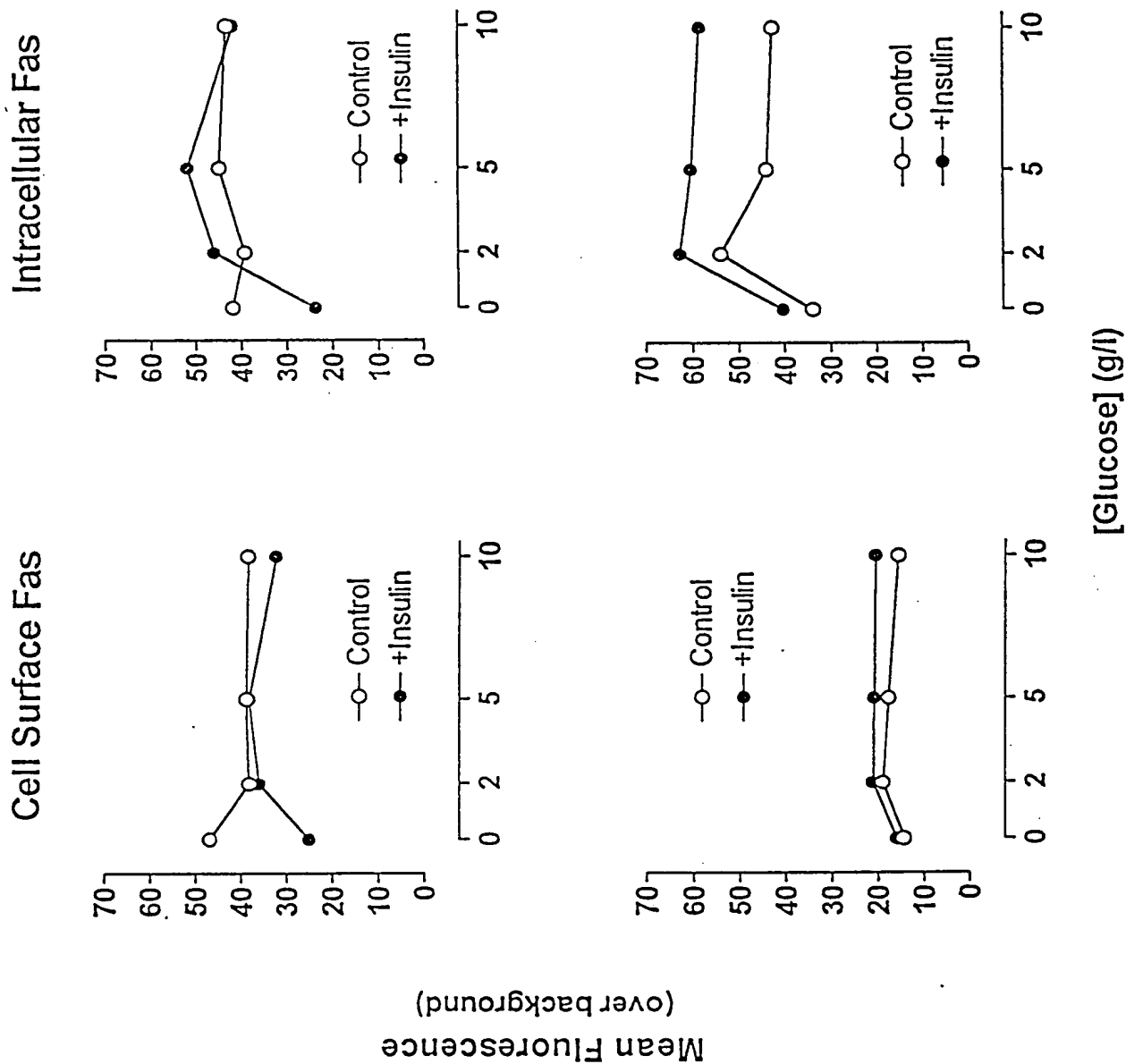


FIGURE 2

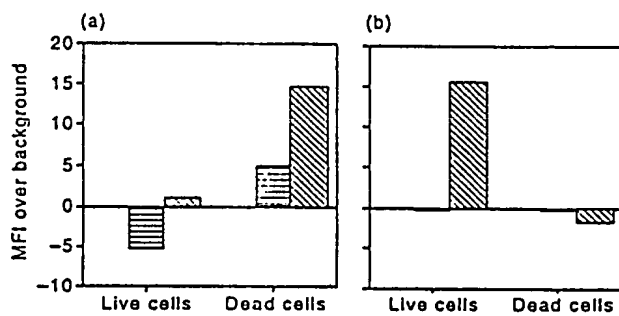


FIGURE 3

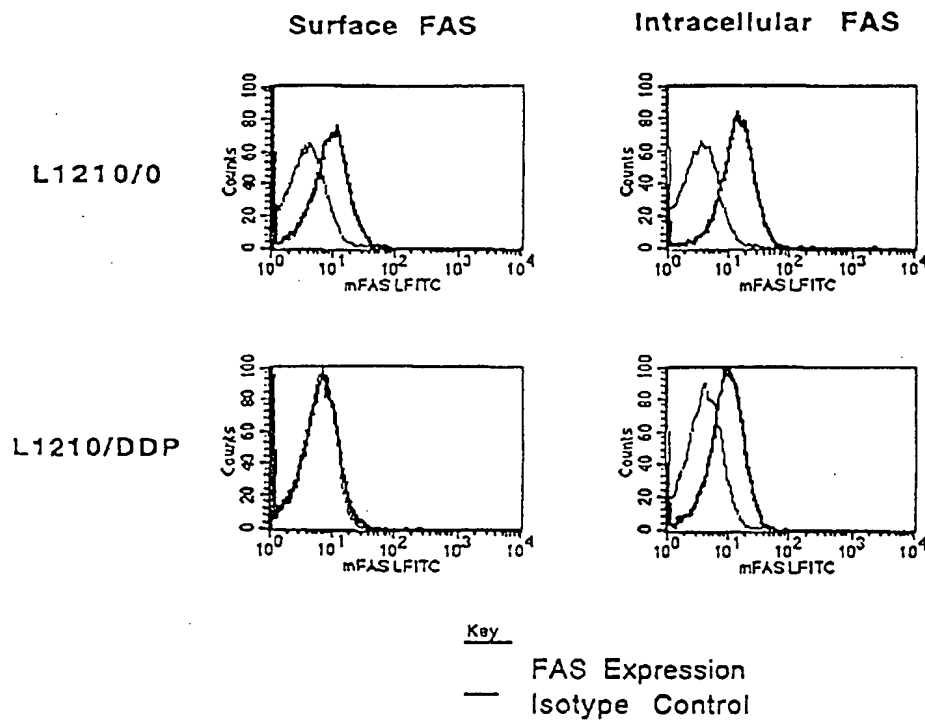


FIGURE 4

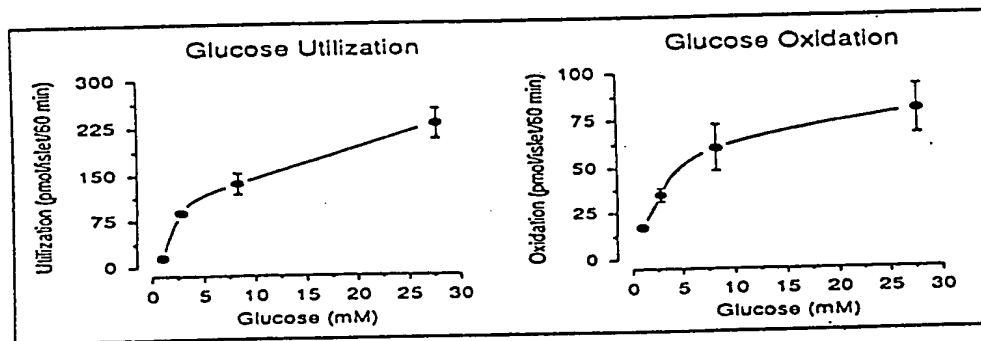


FIGURE 5

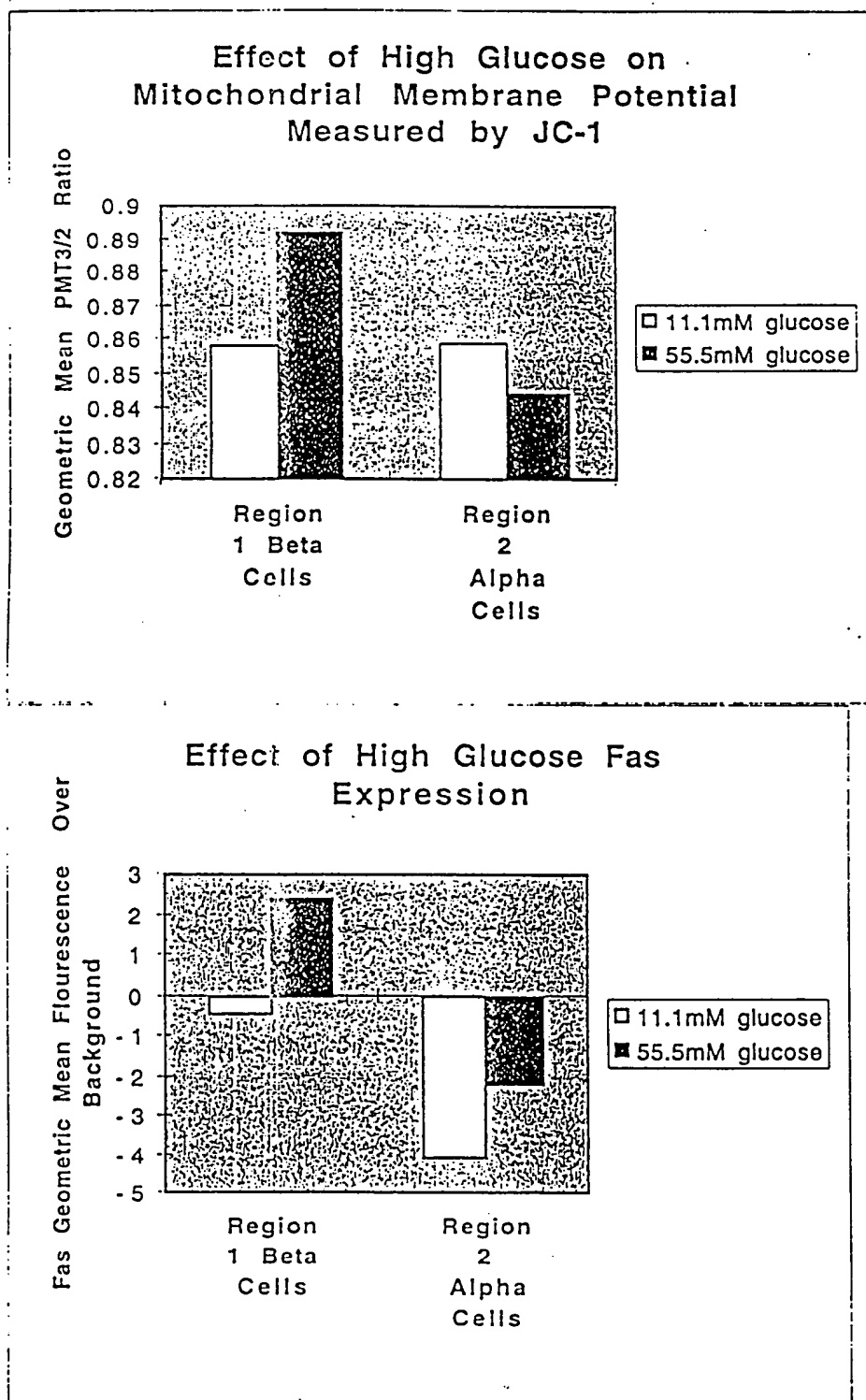


FIGURE 6

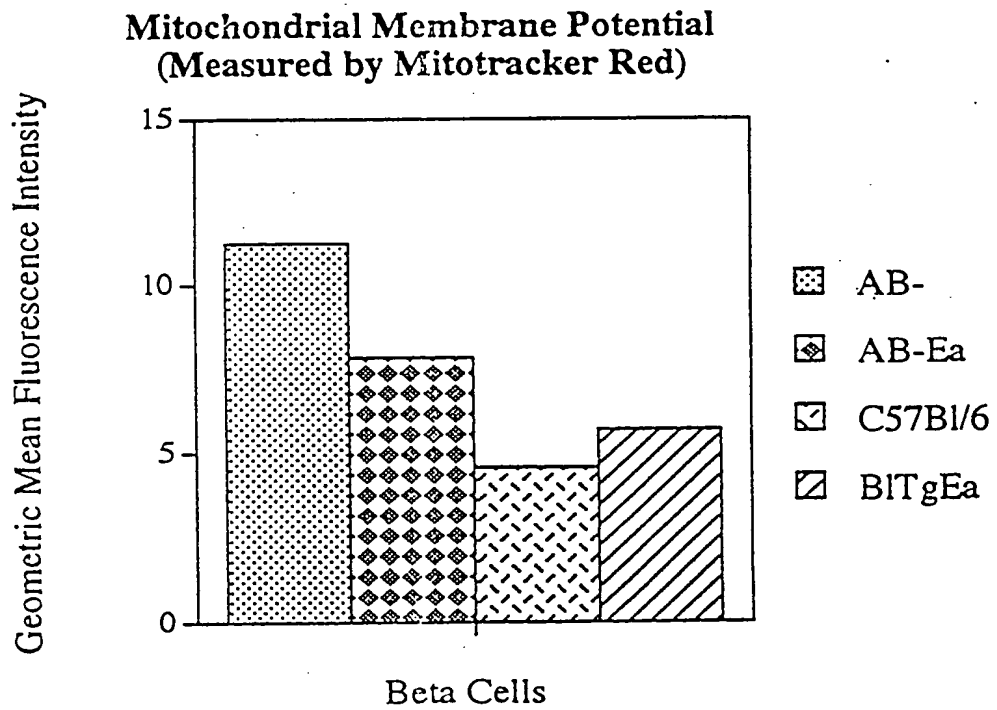


FIGURE 7

MHC class II mediated increases in cAMP are isotype and dimerization/oligomerization state dependent

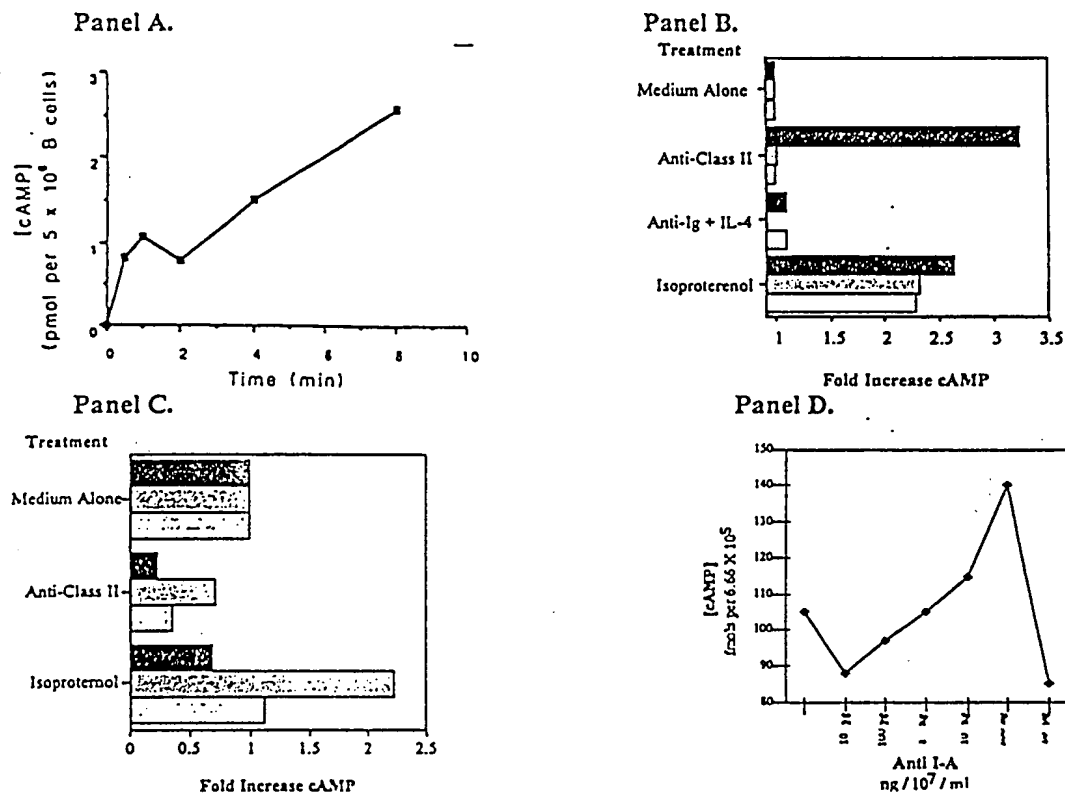


FIGURE 8

MHC class II induces apoptotic cell death

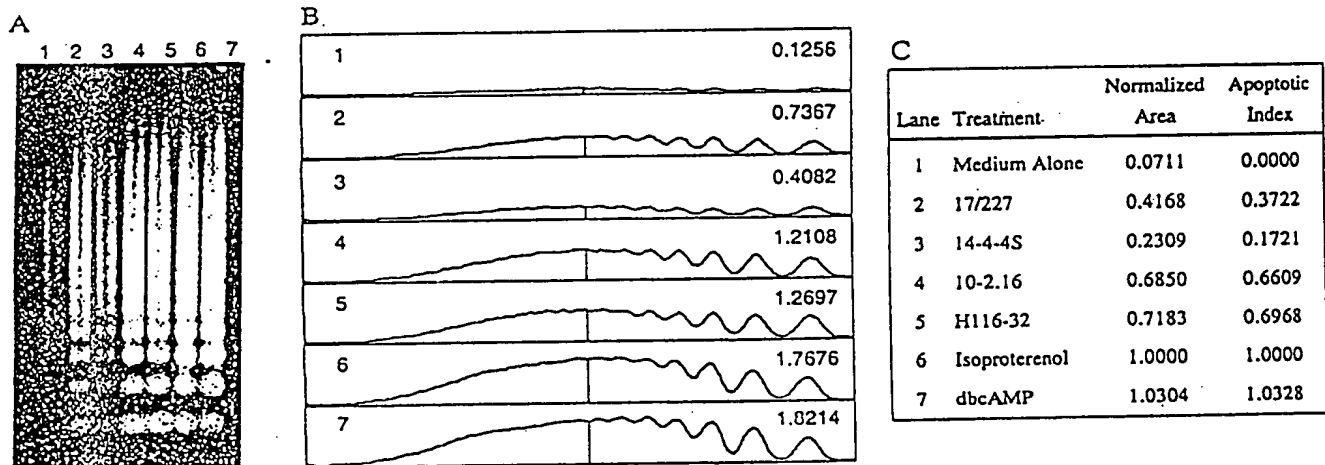


FIGURE 9

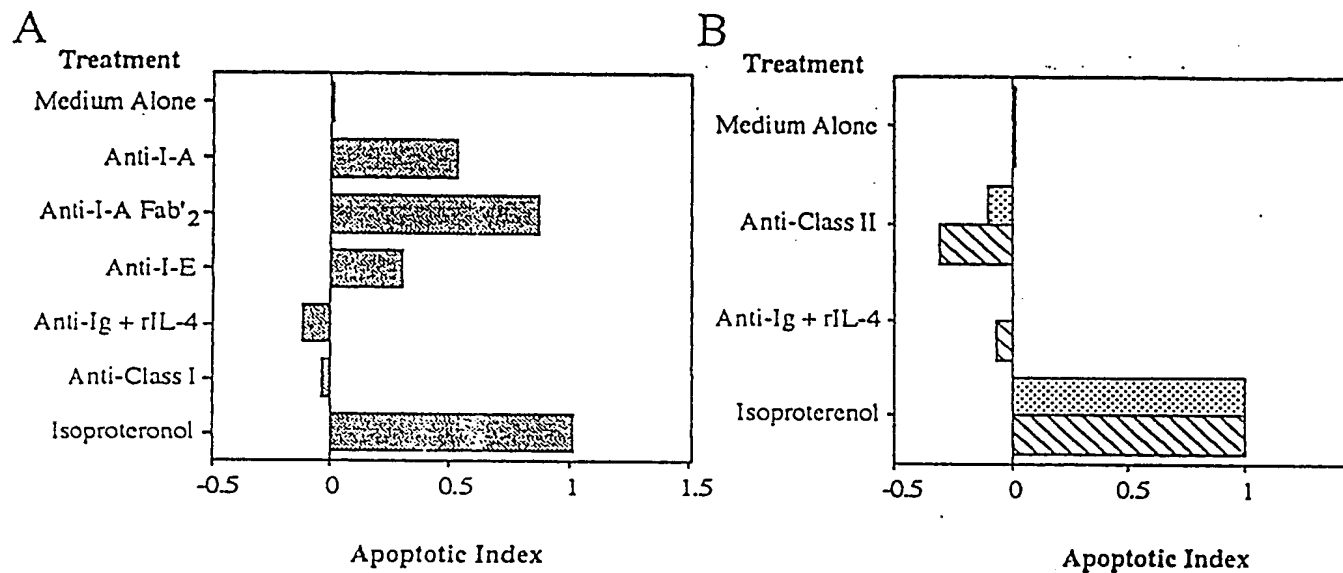


FIGURE 10

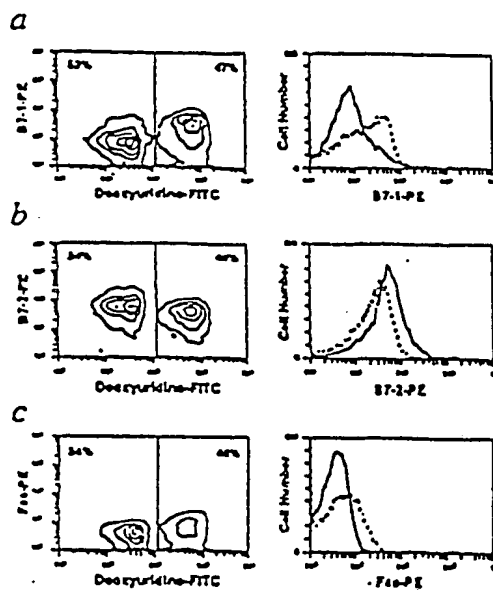


FIGURE 11

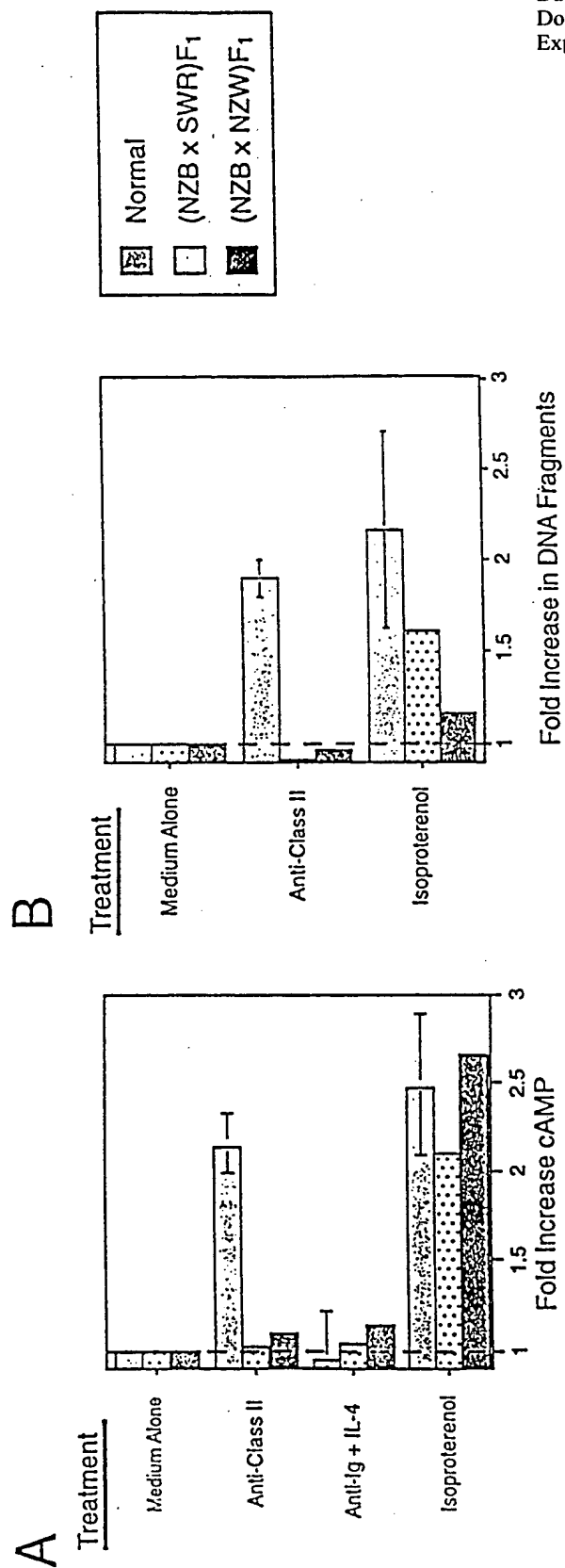


FIGURE 12

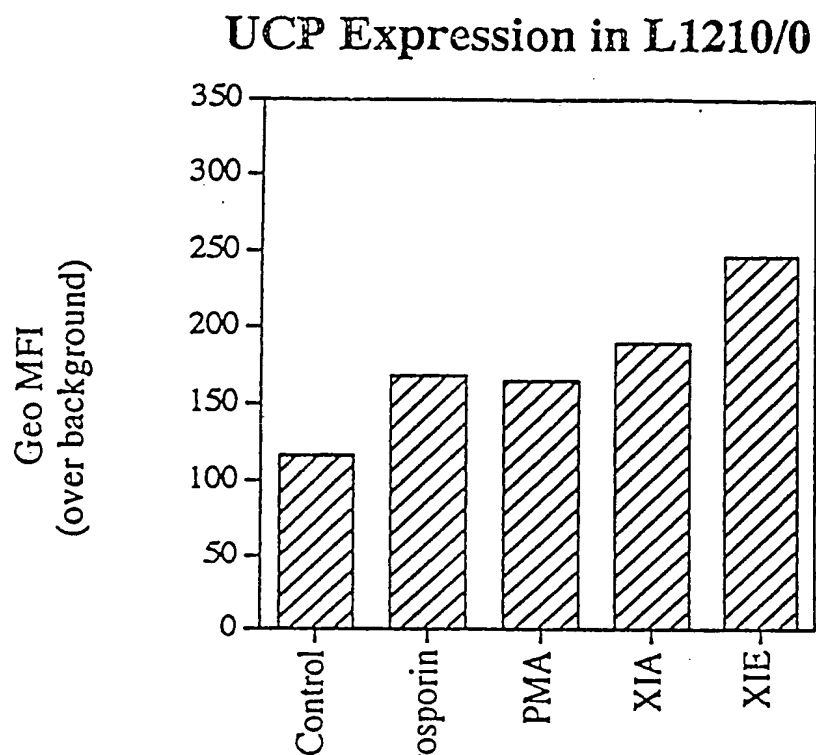


FIGURE 13A

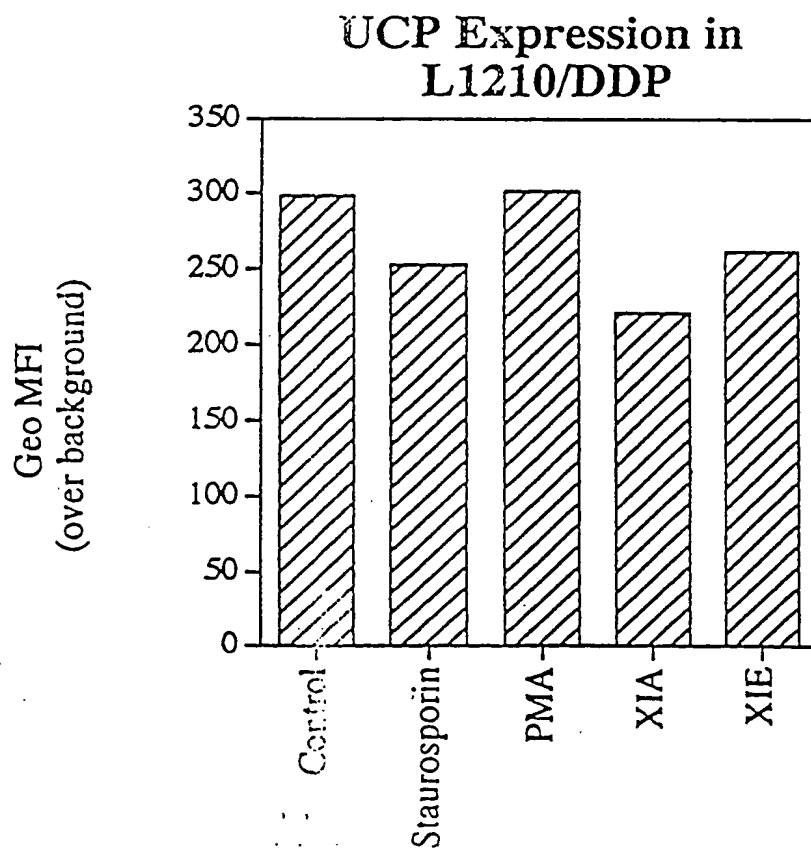


FIGURE 13B

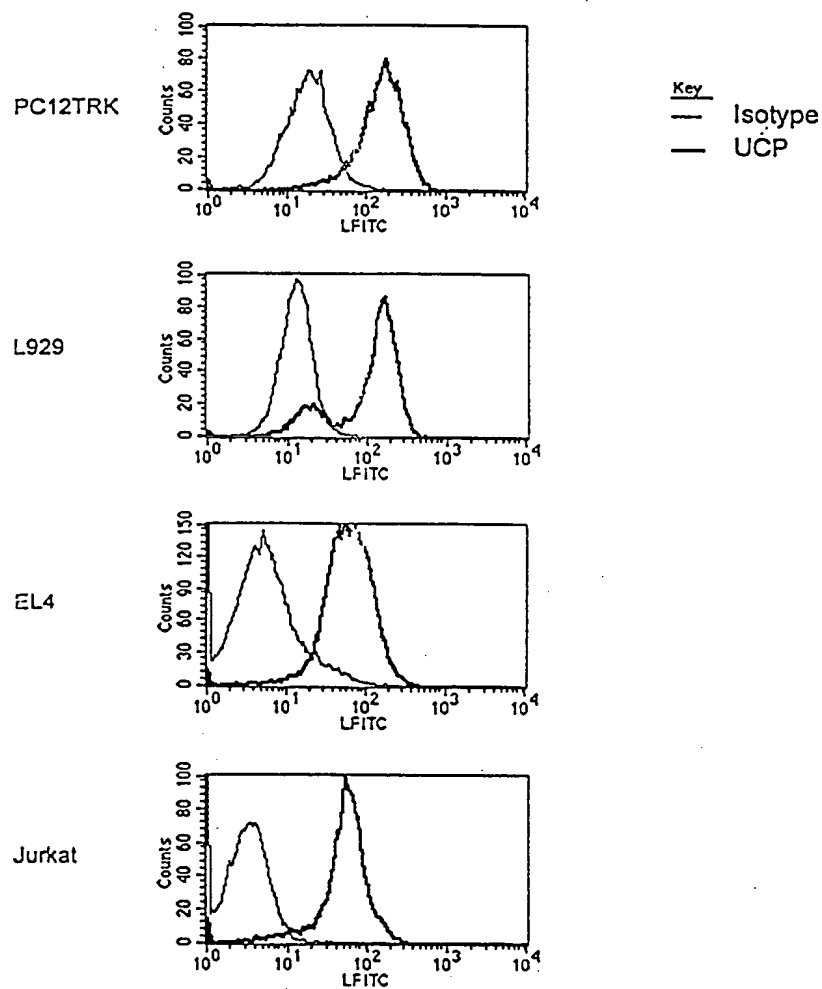


FIGURE 14

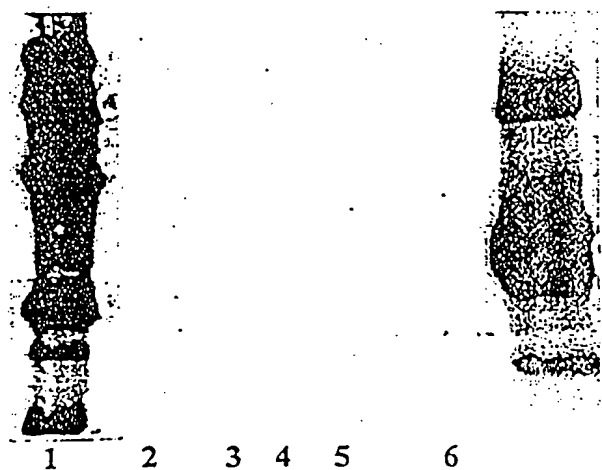


FIGURE 15

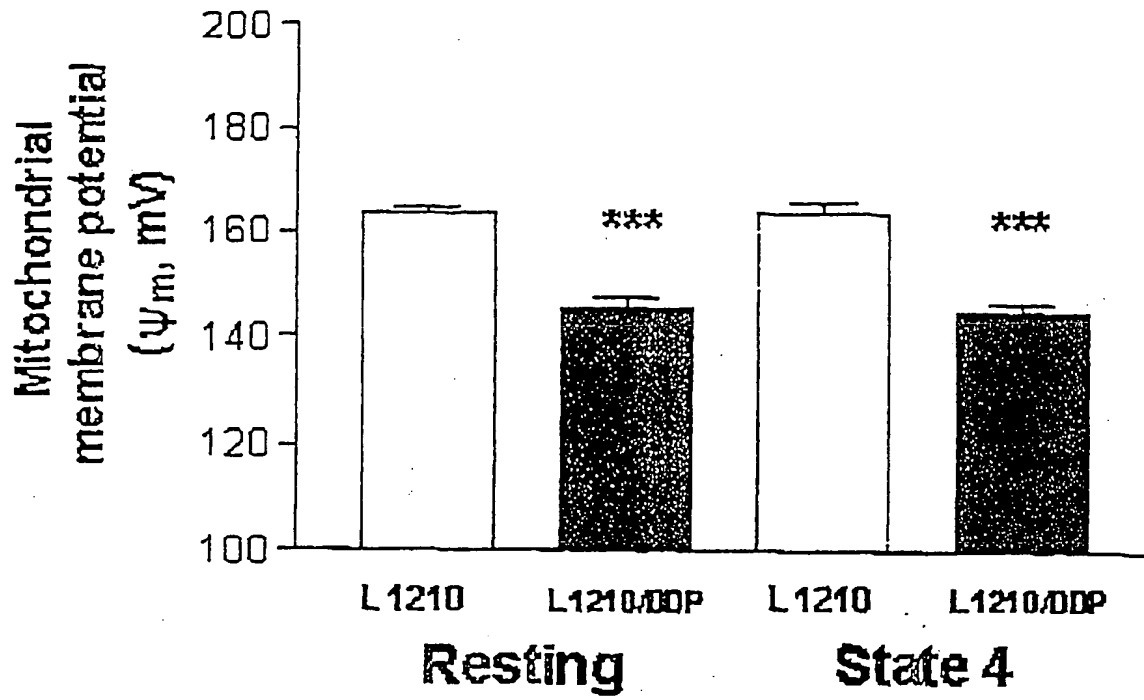


FIGURE 16

**Cell Surface Fas (CD95) Expression on
Non-permeabilized B16 Melanoma Cells**

Methods and Products Related to Metabolic
Interactions in Disease
Date: March 17, 2004
Docket No.: V0139.70060US01
Express Mail Label No: EV292460726US

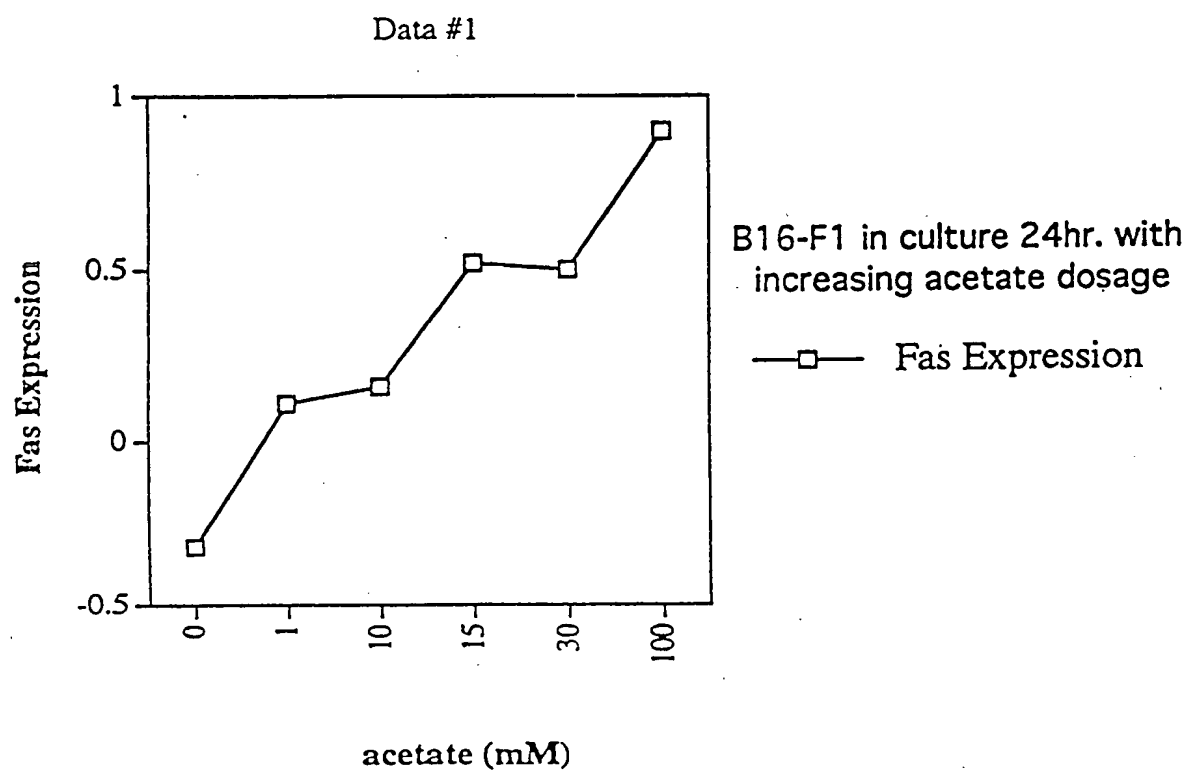


FIGURE 17A

Fas (CD95) Expression on *permeabilized* B16 Melanoma Cells

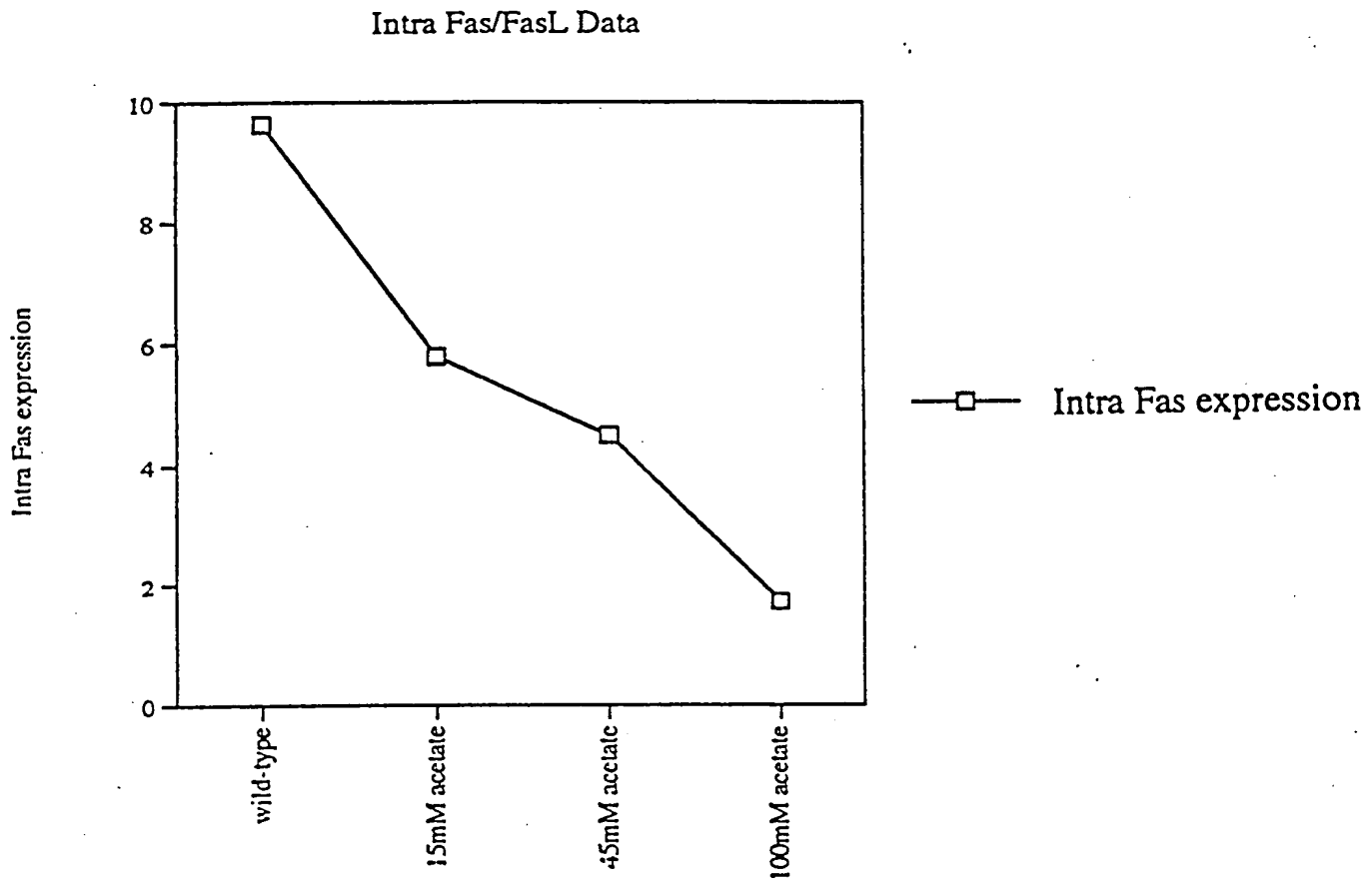


FIGURE 17B

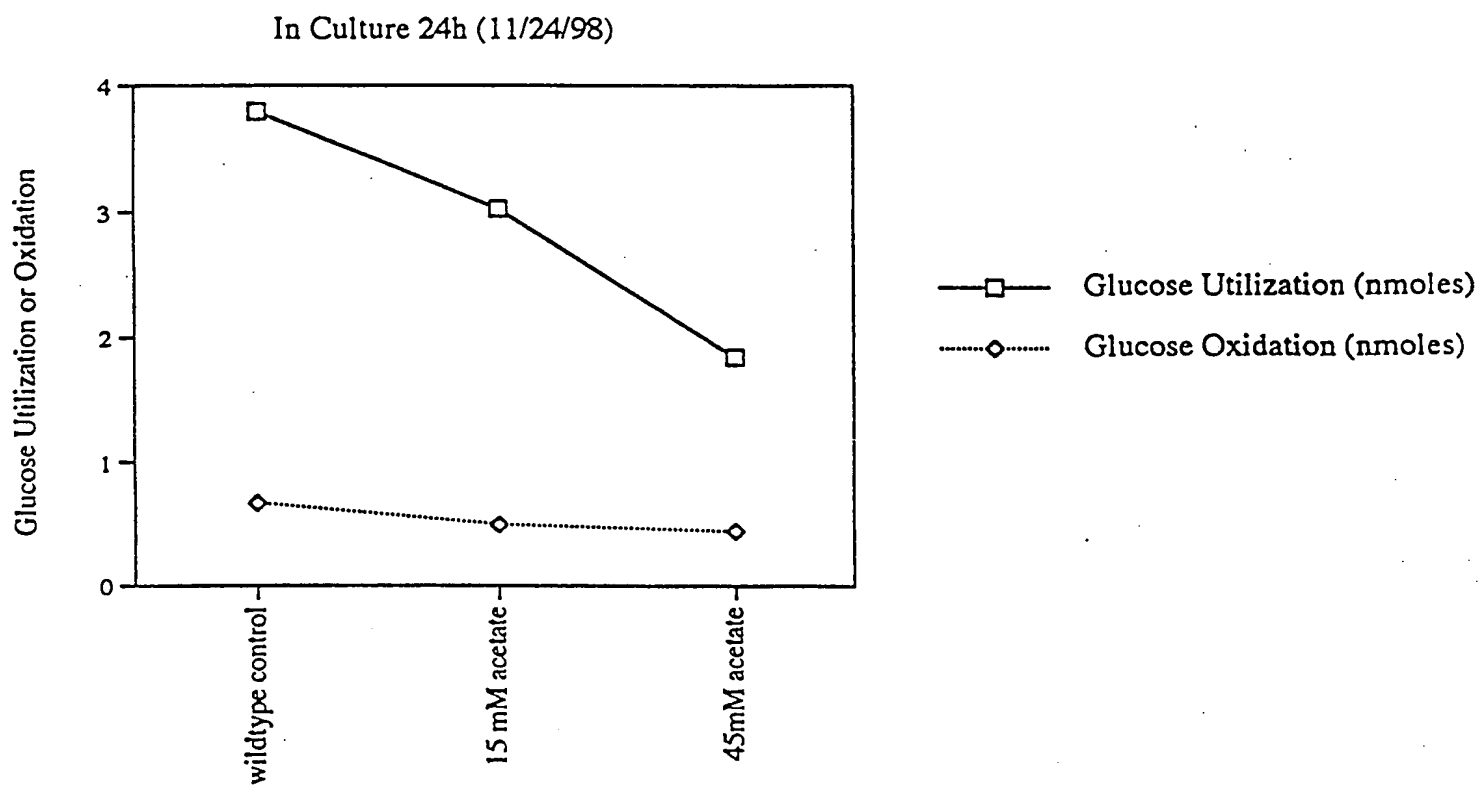


FIGURE 18

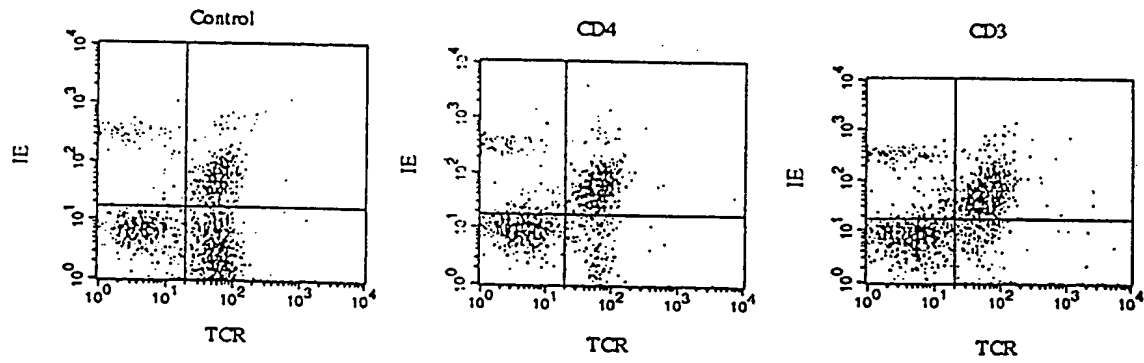


FIGURE 19



FIGURE 20

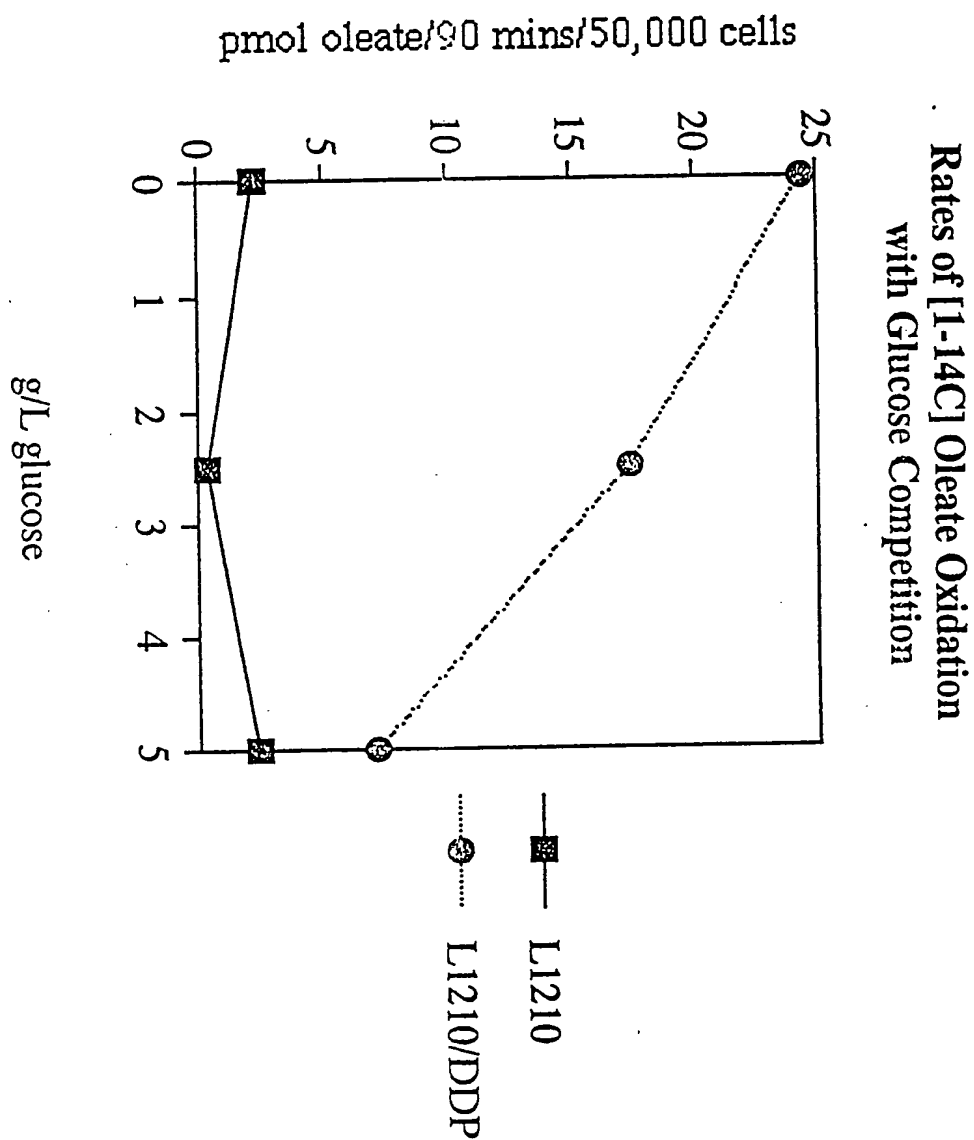


FIGURE 21

FIGURE 22

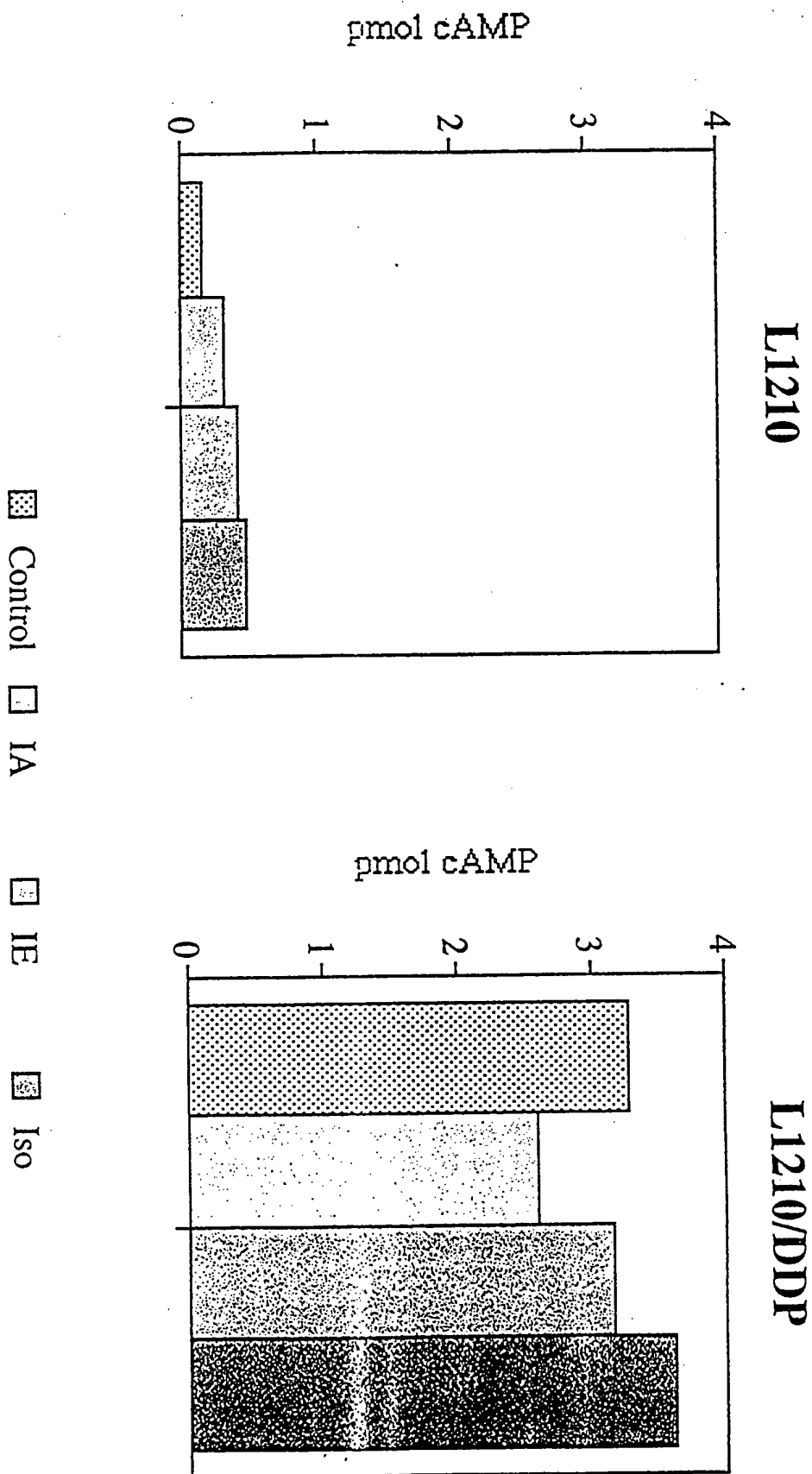
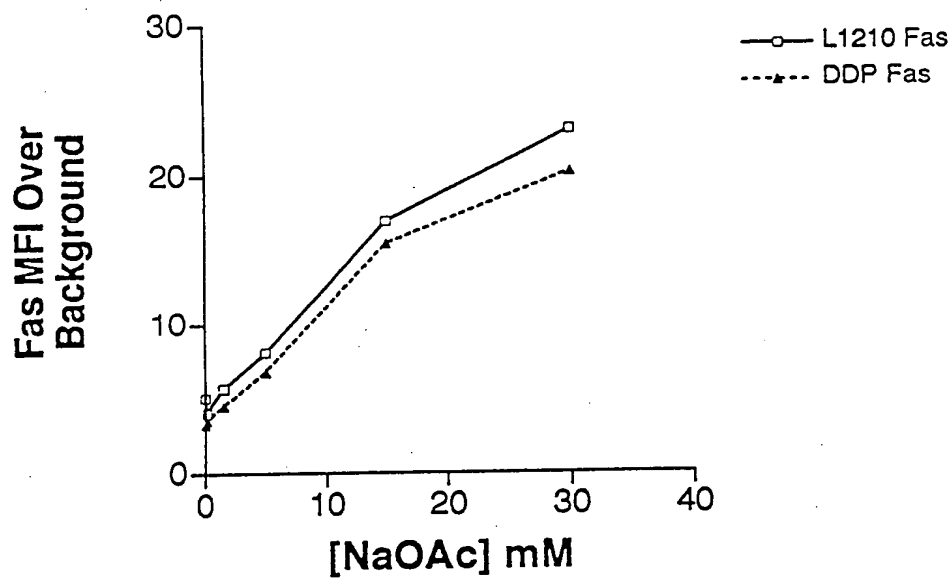


FIGURE 23

Induction of Fas Expression by Sodium Acetate



Induction of ICAM-1 Expression by Sodium Acetate

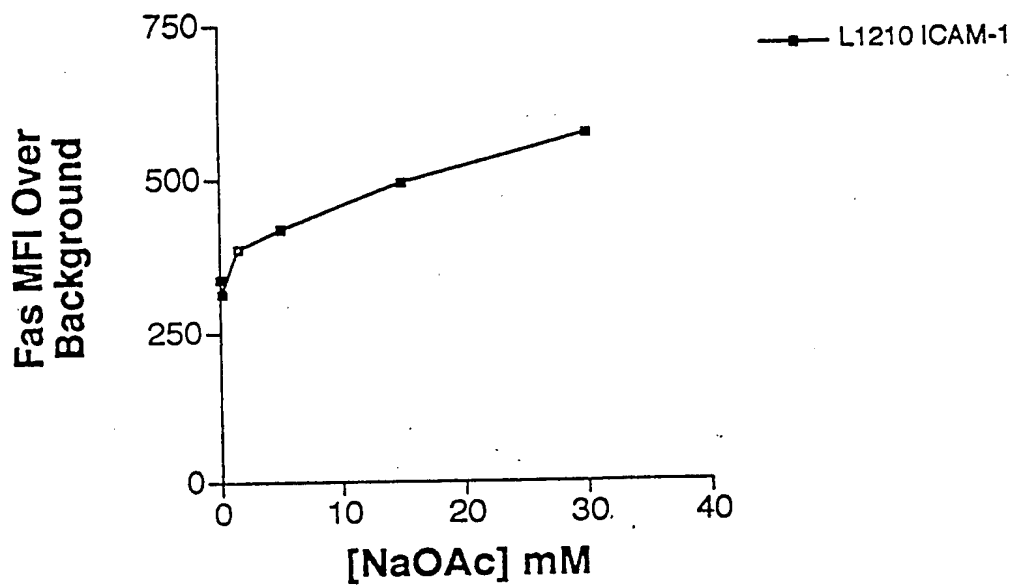
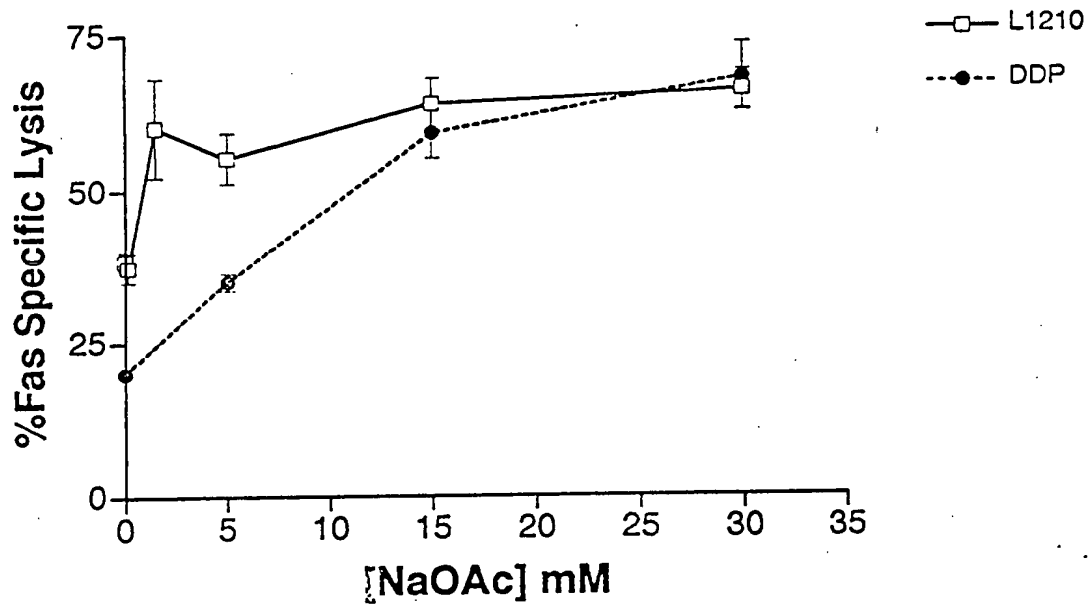
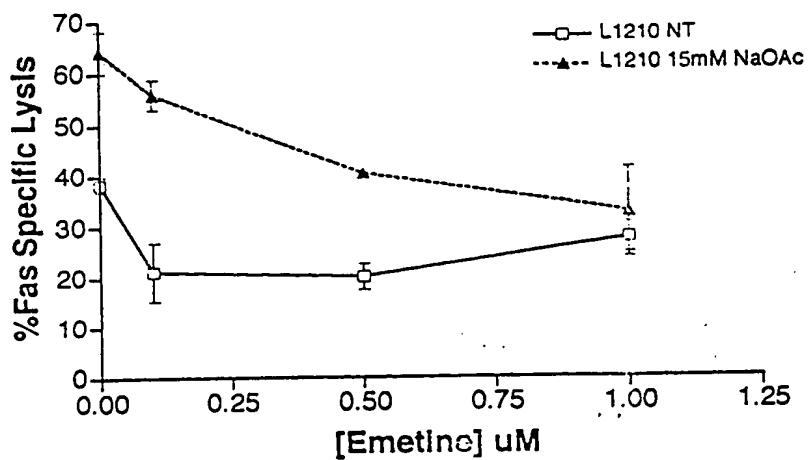


FIGURE 24

Induction of Fas Functional to Signal Cells to Die by Sodium Acetate



Inhibition of Functional Fas Expression Induced by Sodium Acetate by Emetine

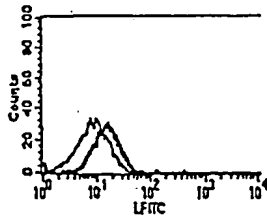


FAS

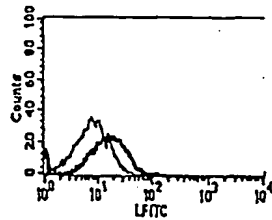
B7-1

B7-2

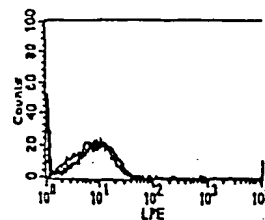
A
PC12



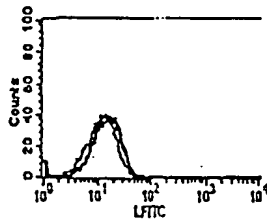
B



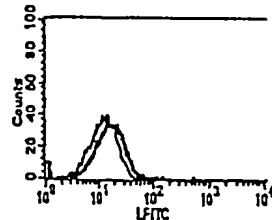
C



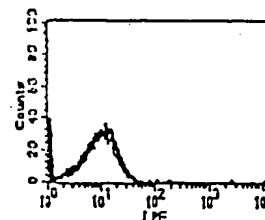
D
PC12/TRKA



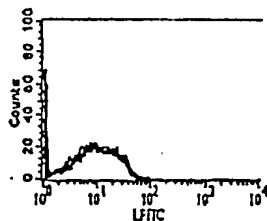
E



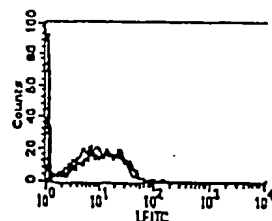
F



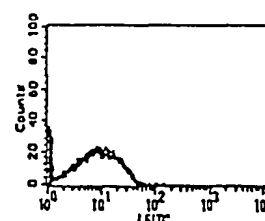
G
PC12/v-CRK



H



I



25
Figure 25 Histograms depicting the constitutive expression or lack thereof of the cell surface molecules Fas, B7.1, and B7.2 on PC12 cells and their variants Trk and v-Crk.